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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 Jan 25 BLAST(R) searching in REGISTRY available in STN on the Web
NEWS 3 Jan 29 FSTA has been reloaded and moves to weekly updates
NEWS 4 Feb 01 DKILIT now produced by FIZ Karlsruhe and has a new update frequency
NEWS 5 Feb 19 Access via Tymnet and SprintNet Eliminated Effective 3/31/02
NEWS 6 Mar 08 Gene Names now available in BIOSIS
NEWS 7 Mar 22 TOXLIT no longer available
NEWS 8 Mar 22 TRCTHERMO no longer available
NEWS 9 Mar 28 US Provisional Priorities searched with P in CA/Caplus and USPATFULL
NEWS 10 Mar 28 LIPINSKI/CALC added for property searching in REGISTRY
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NEWS 13 Apr 09 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 14 Apr 09 ZDB will be removed from STN
NEWS 15 Apr 19 US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 16 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 17 Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 18 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 19 Jun 03 New e-mail delivery for search results now available
NEWS 20 Jun 10 MEDLINE Reload
NEWS 21 Jun 10 PCTFULL has been reloaded

NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
NEWS HOURS STN Operating Hours Plus Help Desk Availability
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Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 17:35:00 ON 12 JUN 2002

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 17:35:21 ON 12 JUN 2002

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STRUCTURE FILE UPDATES: 11 JUN 2002 HIGHEST RN 428813-86-9

DICTIONARY FILE UPDATES: 11 JUN 2002 HIGHEST RN 428813-86-9

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> s creatine

L1 211 CREATINE

=> s l1 and pyruvic

1804 PYRUVIC

L2 0 L1 AND PYRUVIC

=> s l1 and pyruvate

2717 PYRUVATE

L3 1 L1 AND PYRUVATE

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 55965-97-4 REGISTRY

CN Glycine, N-(aminoiminomethyl)-N-methyl-, mixt. with 2-oxopropanoic acid
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Propanoic acid, 2-oxo-, mixt. contg. (9CI)

OTHER NAMES:

CN **Pyruvate-creatine mixt.**

MF C4 H9 N3 O2 . C3 H4 O3

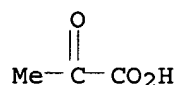
CI MXS

LC STN Files: CA, CAPLUS

CM 1

CRN 127-17-3

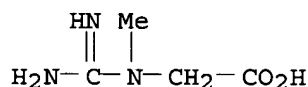
CMF C3 H4 O3



CM 2

CRN 57-00-1

CMF C4 H9 N3 O2



3 REFERENCES IN FILE CA (1967 TO DATE)

3 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> file medline caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

14.72

14.93

FILE 'MEDLINE' ENTERED AT 17:37:17 ON 12 JUN 2002

FILE 'CAPLUS' ENTERED AT 17:37:17 ON 12 JUN 2002

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=> s 13

L4 3 L3

=> d ibib abs

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:749446 CAPLUS

DOCUMENT NUMBER: 133:286430

TITLE: Pyruvic acid water-soluble and stable formulations

INVENTOR(S): Seyerl, Joachim V.

PATENT ASSIGNEE(S): SKW Trostberg A.-G., Germany

SOURCE: Brit. UK Pat. Appl., 13 pp.

CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2345247	A1	20000705	GB 1999-30094	19991220
DE 19859771	C1	20000824	DE 1998-19859771	19981223

PRIORITY APPLN. INFO.: DE 1998-19859771 A 19981223

AB A water-sol., stable formulation contg. pyruvic acid or its salt comprise (a) at least one saccharide or its deriv. and/or one or more physiol. acceptable salts thereof, and p (b) pyruvic acid or at least one salt thereof which is different from component (a), or mixt. thereof. In

addn., the formulation can contain up to 20% of an alk. earth metal carbonate and/or of an alk. earth metal salt of an org. carboxylic acid such a as citric acid or ascorbic acid, up to 20% of other physiol.

active

substances such as sugar, vitamins, trace elements etc., and/or up to 20% of formulation aids. The proposed formulation is advantageous esp. for the prevention and treatment of dystrophic and/or degenerative and/or inflammatory arthropathies. A pharmaceutical powder contained

glucosamine

500, calcium pyruvate 750, magnesium hydrogen-L-aspartate 720, glucose 2000, and ascorbic acid 500 mg.

=> d ibib abs 2-3

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:479501 CAPLUS

DOCUMENT NUMBER: 129:94717

TITLE: Dietary creatine pyruvates and their production by reaction of creatine with pyruvic acid

INVENTOR(S): Pischel, Ivo; Weiss, Stefan

PATENT ASSIGNEE(S): SKW Trostberg A.-G., Germany

SOURCE: PCT Int. Appl., 15 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9828263	A1	19980702	WO 1997-EP7121	19971218
W: AU, BG, BR, CA, CN, CZ, GM, GW, HU, ID, IL, JP, KR, MX, NO, NZ, PL, RO, RU, SG, SK, TR				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19653225	A1	19980625	DE 1996-19653225	19961220
US 6166249	A	20001226	US 1997-893423	19970711
AU 9858576	A1	19980717	AU 1998-58576	19971218
AU 727524	B2	20001214		
EP 894083	A1	19990203	EP 1997-954423	19971218
EP 894083	B1	19991103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, RO				
CN 1224416	A	19990728	CN 1997-195889	19971218
CN 1076343	B	20011219		
BR 9711954	A	19990824	BR 1997-11954	19971218
JP 11509560	T2	19990824	JP 1997-528354	19971218
JP 3090960	B2	20000925	JP 1998-528354	19971218
NO 9902603	A	19990531	NO 1999-2603	19990531
PRIORITY APPLN. INFO.:			DE 1996-19653225	A 19961220
			US 1997-893423	A 19970711
			WO 1997-EP7121	W 19971218

AB Creatine pyruvates of general formula (creatine)x(pyruvate)y(H₂O)n (x = 1-100, y = 1-10, n = 0-10) are produced by simple reaction of creatine with pyruvic acid. Creatine pyruvates can be used to increase stamina

and

strength in sports, for wt. and body fat redn. in health care, in the treatment of oxygen deficiency conditions (ischemia), obesity and overweight, as a food supplement, and as a radical scavenger.

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1976:13433 CAPLUS
 DOCUMENT NUMBER: 84:13433
 TITLE: Glycolysis and some reactions of the
 pentose-phosphate pathway in DDT-sensitive and -resistant *Musca domestica*
 AUTHOR(S): Zhuravleva, I. A.
 CORPORATE SOURCE: Inst. Med. Parazitol. Trop. Med. im. Martsinovskogo, Moscow, USSR
 SOURCE: Med. Parazitol. Parazit. Bolezni (1975), 44(1), 53-8
 CODEN: MPPBAB
 DOCUMENT TYPE: Journal
 LANGUAGE: Russian
 GI For diagram(s), see printed CA Issue.
 AB Topical treatment of houseflies with sublethal doses of DDT (I) [50-29-3] increased the metab. of glycogen, glucose [50-99-7], fructose 1,6-diphosphate, and ribose, and glucose 6-phosphate dehydrogenase [9001-40-5] and 6-phosphogluconate dehydrogenase activity in hyaloplasm from a I-resistant strain, but not in the hyaloplasm from a I-sensitive strain. The doses used were 100 .mu.gI/individual for the resistant strain and 0.5 .mu.g/individual for sensitive flies. In another exp., addn. of ATP (II) [56-65-5] to the hyaloplasm. Of the sensitive housefly strain intensified metab. of exogenous and endogenous glucose, while phosphate [14265-44-2] intensified accumulation of lactic acid [50-21-5]. Pyruvate [127-17-3] and a pyruvate-creatine mixt. [55965-97-4] stimulated fructose 1,6-diphosphate metab. and lactic acid accumulation.

=> s creatine

L5 51091 CREATINE

=> s osteoporosis or osteoarthritis or periodontitis

L6 73465 OSTEOPOROSIS OR OSTEOARTHRITIS OR PERIODONTITIS

=> s l6 and l5

L7 78 L6 AND L5

=> s l7 and

MISSING TERM AFTER L7 AND

Operators must be followed by a search term, L-number, or query name.

=> duplicate remove l17

L17 IS NOT VALID HERE

The L-number entered has not been defined in this session, or it has been deleted. To see the L-numbers currently defined in this session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> duplicate remove l7

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L7

L8 72 DUPLICATE REMOVE L7 (6 DUPLICATES REMOVED)

=> s l8 and pyruvate

L9 1 L8 AND PYRUVATE

=> d ibib abs

L9 ANSWER 1 OF 1 MEDLINE

ACCESSION NUMBER: 1999240927 MEDLINE